

## Meeting Minutes

[REROUTE – Group 16]

## Meeting Minutes

**Date:** [02/04/2025]

**Time:** [10:00 am]

**Location:** [ST237A or via Virtual Platform, Discord]

**Facilitator/Chairperson:** [Travis]

**Note Taker:** [Andrew Pauls]

---

## 1. Attendance

### Present:

- [Cole Corbett - Developer ]
  - [Cam Carvalho– Developer]
  - [Tristan Arana Charlebois – Developer]
  - [Jordan Wallace - Developer]
  - [Turner Kassie – Scrum Master]
  - [Andrew Pauls – Product Owner]
- 

## 2. Agenda Overview

*(List key discussion topics in order of the agenda)*

1. [Progress]
2. [Moving Forward]

## 3. Discussion & Key Points

### Topic 1: [Progress]

- **Summary:** [Major milestone hit on backend – it works. Not hooked up to frontend at all, but it works. Jordan has found the API call to Google for routing vehicles, once backend is returning the ordered list of locations to frontend. Tristan now sending pass word reset through an organizational email rather than his personal email. ]
- **Roadblocks:** Backend uses a different format than frontend for ‘locations’. Backend (basically Ortools), sees locations as x/y coordinate pairs. Frontend sees locations as an object the Google Maps has as an inbuilt. A conversion will need to take place somewhere so that the backend can work. Backend has also implemented, and improved their initial implementation of tournament selection during selection. Elitism added to improve speed of convergence.

Frontend Implementation: Jordan and Andrew unable to build out multiple frontend features (route line, directions, time of route, length of route, etc) until they have routes to be completed

## Topic 2: [Moving Forward]

- **Summary:** Discussion about what can be done in coming days
- **Decisions Made:** [1] Cole and Travis to work on solution for how output will be expelled back to frontend. Current idea is to use GeoJSON format (a standardized 'object' formation for location data).

[2] Tristan to add Google sign in using NextAuth. To add security feature for storing passwords (currently saving in the clear text, should be salted, hashed). Logic for ensuring authorization needs to be updated to check the hashed password upon login attempt.

[3] Cam and Jordan to implement message passing as a GeoJSON through RabbitMQ. Requires Cam to acquire rights to an additional server that will host GA. Jordan to build out the frontend component that passes route data to RabbitMQ.

[4] Andrew to test existing auth pages.

---

## 5. Additional Notes / Other Business

- 

---

## 6. Next Meeting Details



**Date & Time:** [Feb 7, 2025 at 10:00]



**Location:** [Schmon Tower 237A or via virtual link]



**Key Topics for Next Meeting:**

1. [Progress Made]
2. [Moving Forward]



**Meeting Adjourned at:** [10:50 a.m.]



**Minutes Prepared By:** [Andrew Pauls]